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Examiner: William E. Tapolcai
Group Art Unit: 3744

Amendments to the Claims

Please amend the claims as shown below in the complete listing of claims.

Claims 1-10. (Cancelled)

11. (Currently Amended) The apparatus of claim 40-36 wherein the second heat exchanger is located in the container for the material to be cooled.

Claims 12-35. (Cancelled)

36. (New) Apparatus for cooling materials in a remote location comprising:

a primary cooling circuit;

a secondary cooling circuit;

a primary heat exchanger thermally coupling the primary cooling circuit and the secondary cooling circuit to transfer heat between the primary cooling circuit and the secondary cooling circuit;

a docking station remotely positioned from the primary heat exchanger and fluidly disposed in the secondary cooling circuit;

a container removably coupled to the docking station and adapted to receive material to be cooled; and

a secondary heat exchanger comprising a part of the docking station which transfers heat between the container and the secondary cooling circuit to cool the container.

37. (New) The apparatus of claim 36, wherein the container is a portable cooler.

38. (New) The apparatus of claim 36, wherein the container is a cup.

39. (New) The apparatus of claim 36, wherein the container is a refrigerator.

40. (New) The apparatus of claim 39, wherein the refrigerator comprises a freezer compartment.

41. (New) The apparatus of claim 36, wherein the primary cooling circuit comprises a first coolant and the secondary cooling circuit comprises a second coolant having a toxicity lower than the first coolant.

42. (New) The apparatus of claim 41, wherein the second coolant is non-toxic.

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43. (New) The apparatus of claim 36, and further comprising at least two docking stations remotely positioned from the primary heat exchanger and from each other, and fluidly disposed in the secondary cooling circuit, and a container associated with each docking station, the at least two docking stations each comprising a secondary heat exchanger which transfers heat between the container and the secondary cooling circuit to cool the container.
44. (New) The apparatus of claim 36, wherein the secondary heat exchanger transfers heat between a coolant in the secondary cooling circuit and air.
45. (New) The apparatus of claim 44, wherein cooled air is circulated over the container to cool the container.
46. (New) The apparatus of claim 36, wherein the primary heat exchanger is a tube-in-tube heat exchanger.
47. (New) The apparatus of claim 36, wherein the primary heat exchanger is a fin-tube heat exchanger having portions of the primary cooling circuit and the secondary cooling circuit imbedded in the fins of the fin-tube heat exchanger.